

2010

# Injury-related Emergency Dept. Visits MA Residents, Ages 25-44 Years

There were **204,032** injury-related emergency department (ED) visits among Massachusetts residents ages 25-44 years in FY2010. Approximately **1 in 8** persons in this age group was treated in the ED for an injury. This age group was at highest risk for falls followed closely by struck by, and transportation injuries.

| INJURY CAUSE                         | INJURY INTENT      |             |         |                   |                  | Total Count | Percent of Total Count | Crude Rate per 100,000 |
|--------------------------------------|--------------------|-------------|---------|-------------------|------------------|-------------|------------------------|------------------------|
|                                      | Uninten-<br>tional | Intentional |         | Undeter-<br>mined | Other &<br>Legal |             |                        |                        |
|                                      |                    | Self-harm   | Assault |                   |                  |             |                        |                        |
| Cut/pierce                           | 21,519             | 895         | 742     | 34                | 7                | 23,197      | 11.4                   | 1,338.3                |
| Drowning/submersion                  | 35                 | <7          | <7      | <7                |                  | 38          | 0.0                    | 2.2                    |
| Fall                                 | 36,094             | 8           | 18      | 21                |                  | 36,141      | 17.7                   | 2,085.0                |
| Fire/burn                            | 3,149              | 19          | 19      | 12                |                  | 3,199       | 1.6                    | 184.6                  |
| Firearms                             | 49                 | <7          | 68      | 12                | <7               | 134         | 0.1                    | 7.7                    |
| Machinery                            | 1,124              |             |         |                   |                  | 1,124       | 0.6                    | 64.8                   |
| Natural/environmental                | 6,713              | 0           |         | 8                 |                  | 6,721       | 3.3                    | 387.7                  |
| <i>Dog bites</i>                     | 1,749              | 0           |         | 0                 |                  | 1,749       | 0.9                    | 100.9                  |
| <i>Other bites &amp; stings</i>      | 4,217              | 0           |         | 0                 |                  | 4,217       | 2.1                    | 243.3                  |
| <i>All other (e.g. extreme cold)</i> | 747                | 0           |         | 8                 |                  | 755         | 0.4                    | 43.6                   |
| Overexertion                         | 27,785             |             |         |                   |                  | 27,785      | 13.6                   | 1,603.0                |
| Poisoning                            | 2,161              | 1,251       | 9       | 1,156             | <7               | 4,583       | 2.2                    | 264.4                  |
| Struck by, against object            | 23,973             |             | 5,455   |                   | 268              | 29,696      | 14.6                   | 1,713.2                |
| Suffocation/hanging                  | 43                 | 44          | 32      | <7                |                  | 120         | 0.1                    | 6.9                    |
| Transport Injuries:                  | 28,914             | <7          | 14      | <7                |                  | 28,936      | 14.2                   | 1,669.4                |
| <i>Motor vehicle traffic-related</i> | 25,682             | <7          | 14      | <7                |                  | 25,704      | 12.6                   | 1,482.9                |
| <i>Occupant</i>                      | 21,434             |             |         |                   |                  | 21,434      | 10.5                   | 1,236.6                |
| <i>Motorcyclist</i>                  | 974                |             |         |                   |                  | 974         | 0.5                    | 56.2                   |
| <i>Pedal cyclist</i>                 | 402                |             |         |                   |                  | 402         | 0.2                    | 23.2                   |
| <i>Pedestrian</i>                    | 1,064              |             |         |                   |                  | 1,064       | 0.5                    | 61.4                   |
| <i>Other person</i>                  | 73                 |             |         |                   |                  | 73          | 0.0                    | 4.2                    |
| <i>Unspecified person</i>            | 1,735              |             |         |                   |                  | 1,735       | 0.9                    | 100.1                  |
| <i>Pedal cyclist, other</i>          | 1,636              |             |         |                   |                  | 1,636       | 0.8                    | 94.4                   |
| <i>Pedestrian, other</i>             | 138                |             |         |                   |                  | 138         | 0.1                    | 8.0                    |
| <i>Other transport</i>               | 1,458              |             |         |                   |                  | 1,458       | 0.7                    | 84.1                   |
| Other specified & classifiable       | 8,907              | <7          | 1,081   | <7                | 14               | 10,009      | 4.9                    | 577.4                  |
| Other specified, not classifiable    | 3,982              | 157         | 1,905   | 61                | <7               | 6,111       | 3.0                    | 352.6                  |
| Unspecified                          | 16,697             | 36          | 1,442   | 1,067             | 46               | 19,288      | 9.5                    | 1,112.8                |
| Adverse Effects                      |                    |             |         |                   |                  | 358         | 0.2                    | 20.7                   |
| No cause or intent provided          |                    |             |         |                   |                  | 6,592       | 3.2                    | 380.3                  |
| TOTALS                               | 181,145            | 2,423       | 10,786  | 2,379             | 349              | 204,032     | 100.0                  | 11,770.9               |
| Injury ED Visit Rate by Intent       | 10,450.5           | 139.8       | 622.3   | 137.2             | 20.1             | n/a         | n/a                    | n/a                    |

Source: MA Emergency Department Discharge Database, MA Center for Health Information Analysis.

—Analysis is based on a fiscal year (October 1, 2009 - September 30, 2010).

—Rates are per 100,000 residents. Rates provided here are not age-adjusted and may differ slightly from other department publications. Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable.

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading. Injury subcategories are italicized.

Data prepared by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research and Evaluation, Massachusetts Department of Public Health.  
www.state.ma.us/dph/bhsre/isp/isp.htm; January 2013